

Appl. NO. 10/023,139

Amendment Dated June 30, 2004

Reply to Office Action of March 30, 2004

In the Claims:

Claim 1 (Original). An optical device assembly, comprising:

an optical device having an area;

an optical fiber led from said optical device through said area; and

an anti-kink protector for said optical fiber being disposed in said area and made of an electrically conductive material.

Claim 2 (Original). The assembly according to claim 1, including a metallic structure belonging to said device and electrically contacting said electrically conductive material.

Claim 3 (Original). The assembly according to claim 2, including a metallic housing of said device accommodating an opto-electronic component said metallic housing being electrically coupled to said anti-kink protector.

Claim 4 (Currently Amended). The assembly according to claim 3, wherein said opto-electronic component is a TO (transistor outline) housing.

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Claim 5 (Original). The assembly according to claim 1, wherein said anti-kink protector electrically contacts a reference potential.

Claim 6 (Original). The assembly according to claim 5, including a metallic housing coupled to said anti-kink protector.

Claim 7 (Original). The assembly according to claim 6, wherein said metallic housing is a module housing and surrounds said device.

Claim 8 (Original). The assembly according to claim 7, wherein:

said metallic housing has an opening formed therein; and

said anti-kink protector has circumferential grooves for fixing said anti-kink protector to said opening of said metallic housing.

Claim 9 (Canceled).

Claim 10 (Original). The assembly according to claim 1, wherein said electrically conductive material is highly conductive.

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Claim 11 (Original). The assembly according to claim 1,
wherein:

said optical device is an optical connector; and

said anti-kink protector absorbs electromagnetic waves
strongly.

Claim 12 (Original). An optical device assembly, comprising:

an optical device having an area;

an optical fiber led from said optical device through said
area; and

an anti-kink protector for said optical fiber being disposed
in said area and made of a material being highly absorbent to
electromagnetic waves.

Claim 13 (Original). The assembly according to claim 12,
including a metallic housing of said device accommodating an
opto-electronic component and coupling electrically to said
anti-kink protector.

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Claim 14 (Currently Amended). The assembly according to claim 12, wherein said ~~opto-electronic component~~ optical device is a TO (Transistor Outline) housing.

Claim 15 (Original). The assembly according to claim 12, wherein said anti-kink protector electrically contacts a reference potential.

Claim 16 (Original). The device according to claim 15, including a metallic housing coupled to said anti-kink protector.

Claim 17 (Original). The assembly according to claim 16, wherein said metallic housing is a module housing and surrounds said device.

Claim 18 (Original). The assembly according to claim 16, wherein:

said metallic housing has an opening formed therein; and

said anti-kink protector has circumferential grooves for fixing said anti-kink protector to said opening of said metallic housing.

Claim 19 (Canceled).

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Claim 20 (Canceled).

Claim 21 (Currently Amended). The assembly according to claim 12, wherein said ~~electrically conductive~~ material is highly conductive.

Claim 22 (Original). The assembly according to claim 12, wherein said material being highly absorbent to electromagnetic waves is a ferritic material.

Claim 23 (Original). The assembly according to claim 12, wherein:

said optical device is an optical connector; and

said material being highly absorbent to electromagnetic waves absorbs electromagnetic waves strongly.

Claim 24 (Original). An optical device assembly, comprising:

an optical device having an area;

an optical fiber led from said optical device through said area; and

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an anti-kink protector for said optical fiber being disposed in said area and sheathed with an electrically conductive material.

Claim 25 (Currently Amended). The assembly according to claim ~~23~~ 24, including a metallic structure belonging to said device and electrically contacting said electrically conductive material.

Claim 26 (Currently Amended). The assembly according to claim ~~24~~ 25, including a metallic housing of said device accommodating an opto-electronic component, said housing being electrically coupled to said anti-kink protector.

Claim 27 (Currently Amended). The assembly according to claim ~~25~~ 26, wherein said opto-electronic component is a TO (Transistor Outline) housing.

Claim 28 (Currently Amended). The assembly according to claim ~~23~~ 24, wherein said electrically conductive material electrically contacts a reference potential.

Claim 29 (Currently Amended). The assembly according to claim ~~27~~ 28, wherein said anti-kink protector is electrically coupled to a metallic housing.

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Claim 30 (Currently Amended). The assembly according to claim
~~28~~ 29, wherein said metallic housing is a module housing
surrounding said device.

Claim 31 (Currently Amended). The device according to claim
~~28~~ 29, wherein:

said metallic housing has an opening formed therein; and

said anti-kink protector has circumferential grooves formed
therein for fixing said anti-kink protector to said opening of
said metallic housing.

Claim 32 (Currently Amended). The assembly according to claim
~~27~~ 28, wherein said sheathing is electrically coupled to a
metallic housing.

Claim 33 (Currently Amended). The assembly according to claim
~~31~~ 32, wherein said metallic housing is a module housing
surrounding said device.

Claim 34 (Currently Amended). The assembly according to claim
~~31~~ 32, wherein:

said metallic housing has an opening formed therein; and

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said sheathing has circumferential grooves formed therein for fixing said anti-kink protector to said opening of said metallic housing.

Claim 35 (Currently Amended). The assembly according to claim ~~23~~ 24, wherein:

said anti-kink protector has a tapering area; and

said sheathing sheathes said anti-kink protector at least in said tapering area.

Claim 36 (Currently Amended). The assembly according to claim ~~34~~ 35, wherein said sheathing sheaths said anti-kink protector completely.

Claim 37 (Currently Amended). The assembly according to claim ~~23~~ 24, wherein said anti-kink protector is made of an electrically conductive material.

Claim 38 (Currently Amended). The assembly according to claim ~~23~~ 24, wherein said electrically conductive material is highly conductive.

Claim 39 (Currently Amended). The assembly according to claim ~~23~~ 24, wherein:

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said optical device is an optical connector, and

said anti-kink protector is formed by a material strongly
absorbing electromagnetic waves.

Claim 40 (Original). An optical device assembly, comprising:

an optical device having an area;

an optical fiber led out of said optical device through said
area; and

an anti-kink protector for said optical fiber being disposed
in said area and sheathed with a sleeve being made of a
material being highly absorbent to electromagnetic waves.

Claim 41 (Currently Amended). The assembly according to claim
~~39~~ 40, including a metallic housing of said device
accommodating an opto-electronic component, said metallic
housing being electrically coupled to said anti-kink
protector.

Claim 42 (Currently Amended). The assembly according to claim
~~40~~ 41, wherein said opto-electronic component is a TO
(Transistor Outline) housing.

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Claim 43 (Currently Amended). The assembly according to claim
~~39~~ 40, including a metallic housing of said device
accommodating an opto-electronic component, said metallic
housing being electrically coupled to said sheathing.

Claim 44 (Currently Amended). The assembly according to claim
~~42~~ 43, wherein said opt-electronic component is a TO
(Transistor Outline) housing.

Claim 45 (Canceled).

Claim 46 (Canceled).

Claim 47 (Canceled).

Claim 48 (Canceled).

Claim 49 (Canceled).

Claim 50 (Canceled).

Claim 51 (Currently Amended). The assembly according to claim
~~43~~ 44, wherein:

said metallic housing has an opening formed therein; and

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said sheathing has circumferential grooves formed therein for fixing said anti-kink protector to said opening of said metallic housing.

Claim 52 (Canceled).

Claim 53 (Canceled).

Claim 54 (Canceled).

Claim 55 (Canceled).

Claim 56 (Canceled).

Claim 57 (Canceled).

Claim 58 (Original). A module, comprising:

a metallic module housing having an opening for passing optical fibers therethrough; and

an optical device assembly including an optical device having an area, an optical fiber led from said optical device through said area, and an anti-kink protector for said optical fiber being disposed in said area and made of an electrically conductive material;

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said anti-kink protector of said device being disposed in said opening of said module housing and coupled electrically to said module housing.

Claim 59 (Currently Amended). The module according to claim 57 58, wherein said optical device is a transmitting device.

Claim 60 (Currently Amended). The module according to claim 57 58, wherein said optical device is a receiving device.

Claim 61 (Currently Amended). The module according to claim 57 58, wherein said anti-kink protector electrically couples said ~~metallic structures~~ optical device ~~of said device~~ and said module housing.

Claim 62 (Canceled).

Claim 63 (Canceled).

Claim 64 (Canceled).

Claim 65 (Canceled).

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Claim 66 (Original). A module, comprising:

a metallic module housing having an opening for passing optical fibers therethrough; and

an optical device assembly including an optical device having an area, an optical fiber led from said optical device through said area, an anti-kink protector for said optical fiber being disposed in said area and sheathed with an electrically conductive material;

said anti-kink protector of said device being disposed in said opening of said module housing and coupled electrically to said module housing.

Claim 67 (Currently Amended). The module according to claim ~~65~~ 66, wherein said optical device is a transmitting device.

Claim 68 (Currently Amended). The module according to claim ~~65~~ 66, wherein said optical device is a receiving device.

Claim 69 (Currently Amended). The module according to claim ~~65~~ 66, wherein said anti-kink protector electrically couples said ~~metallic structures~~ optical device ~~of said device~~ and said module housing.

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Claim 70 (Canceled).

Claim 71 (Canceled).

Claim 72 (Canceled).

Claim 73 (Canceled).